

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number  
**WO 2004/011248 A1**

(51) International Patent Classification<sup>7</sup>: **B32B 15/08**

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(21) International Application Number:  
**PCT/US2002/041652**

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(22) International Filing Date: 2 December 2002 (02.12.2002)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

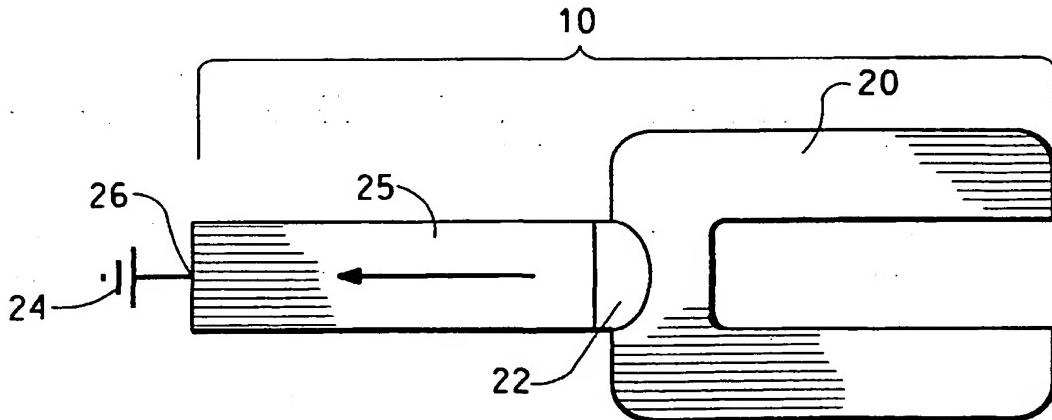
(26) Publication Language: English

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CARBON FIBER COMPOSITE TRANSFER MEMBER WITH REFLECTIVE SURFACES



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(57) Abstract: A method of transporting precision equipment materials without absorption of thermal energy through the heat sensitive material or device such as flat panel displays. The transfer member has a carbon fiber reinforced composite material body with a layer of metal film on the top and bottom surfaces of the transfer member that provides a reflective surface. Flat panel displays, for example, release radiant thermal energy that is absorbed by the carbon fiber reinforced composite which is detrimental to the flat panel display. The reflective surface created by the metal film prevents the energy absorption by the carbon fiber reinforced composite. A glass fiber and epoxy layer on the metal film surface protects the metal film.